

Summary Information

Module Code	7088RTC
Formal Module Title	Principles of Risk Management
Owning School	Engineering
Career	Postgraduate Taught
Credits	10
Academic level	FHEQ Level 7
Grading Schema	50

Teaching Responsibility

LJMU Schools involved in Delivery
Engineering

Learning Methods

Learning Method Type	Hours
Lecture	8
Online	1
Tutorial	8

Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
SEP-PAR	PAR	September	12 Weeks

Aims and Outcomes

Aims	To illustrate the objectives of, and the drivers for, risk management. To consider and discuss the main concepts in the field of risk management.
------	---

After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Deconstruct the risk management process into its constituent components
MLO2	2	Contrast key risk management terms such as “hazard”, “consequence” and “risk”
MLO3	3	Evaluate the various drivers which cause organisations to manage risk
MLO4	4	Demonstrate expertise in academic referencing

Module Content

Outline Syllabus	Drivers for risk management Attitudes to risk / perception of risk Tolerability of risk Regulatory regimes Company drivers The cost of accidents Definitions / terminology The elements of risk management / the risk management process ALARP Example specialist tools, techniques and studies The HSE case (or safety case) and HSE MSC Causes of major accidents Leadership, culture and behaviours Module conclusions and close out
Module Overview	
Additional Information	This module aims to provide an overview of the objectives and drivers for risk management. It defines some of the fundamental terminology used in risk management. It discusses major risk management concepts such as risk tolerability criteria and As Low As Reasonably Practicable (ALARP). The module briefly introduces some key risk assessment tools and techniques and the situations in which they may be used. It considers the purpose and structure of a HSE / safety case and components of an HSE Management System (HSE MS). The module includes case studies of some significant historical accidents. It gives an overview of the role that leadership and organisational culture can play in reducing accidents. Assessment is in the form of an essay combined with activities (e.g. exercises, discussions, etc.). The module is delivered using a combination of face-to-face and online learning, described as follows: Lecture: face-to-face workshop Tutorial/Activities (Exercises and reviews): Online activities with teacher feedback, and virtual classrooms Tutor-supported Online: Tutor feedback for activities, virtual classrooms and email support. In this module, the knowledge learning outcomes are K1, K2, K3 the skills learning outcomes are S1, S2, S3, S5 and the behaviours learning outcomes are B1, B2, B3 and B4.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Artefacts	Essay	95	0	MLO1, MLO3
Test	Test	5	0	MLO2, MLO4

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Ben Matellini	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings
--------------	--------------------------	-----------